

# Service Manual

## Window Type Room Air Conditioner

Model: DWC-104R

DWC-125R

DWA-125R

DWA-145R

### ✓ Caution

: In this Manual, some parts can be changed for improving, their performance without notice in the parts list. So, if you need the latest parts information, please refer to PPL(Parts Price List) in Service Information Center (<http://svc.dwe.co.kr>). /



DAEWOO ELECTRONICS CORP.



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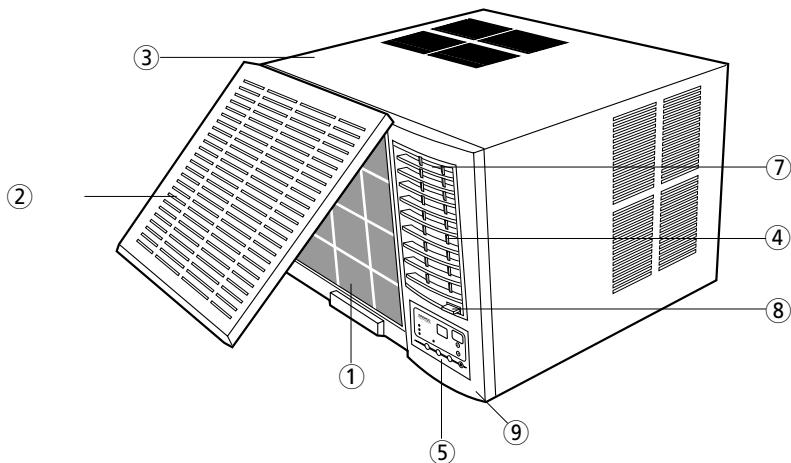
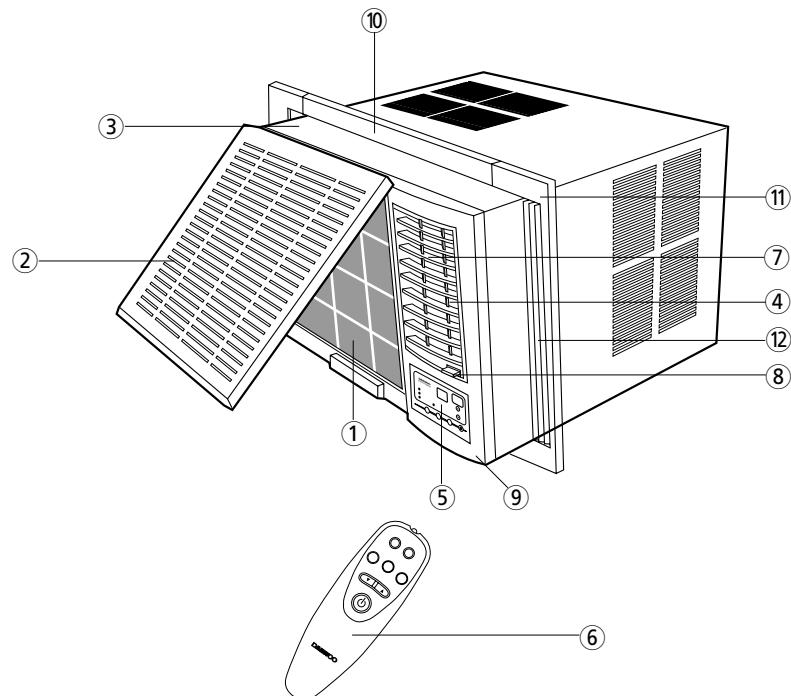
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# 1. SPECIFICATIONS

ITEM	MODEL	DWC-104R	DWC-125R	DWA-125R	DWA-145R
Function		Cooling only			
Power source		AC 115V, 60Hz		AC 208~230V, 60Hz	
Cooling Capacity	Btu/h	10,000	12,100	12,000	14,000
	Kcal/h	2,520	3,049	3,024	3,528
Energy Efficiency Ratio	Btu/Wh	10.0	10.1	10.1	10.0
	Kcal/Wh	2.50	2.54	2.55	2.47
Dehumidification	Pts/h	3.17	3.40	2.45	3.93
	g/h	1,441	1,545	1,114	1,786
Electrical Data	Power Input (W)	1,000	1,200	1,190	1,420
	Running Current (A)	8.6	11.5	5.3	6.5
Compressor	Type	Rotary			
	Model	44B092HX1JF	QK164CBH	QK164KBB	QJ196KBD
	Capacitor	45µF/370VAC	50µF/370VAC	30µF/370VAC	25µF/370VAC
Fan Motor	Model	AM12DWD10/OBM-2501K1	AM12DWD10/OBM-2501K1	AM12DWD12/OBM-2502U1	AM12DWD11/OBM-2503U1
	Capacitor	12µF/370VAC	12µF/370VAC	5µF/370VAC	4µF/370VAC
	Indoor-Fan	Blower-Fan			
	Outdoor-Fan	Propeller-Fan			
Refrigerant (R-22)	Control	Capillary			
	Charge Amount(g)	19.8 oz(560g)	25.7 oz(730g)	26.1 oz(740g)	23.6 oz(670g)
Dimensions	Unit (W x H x D)	23.6(W) x 14.9(H) x 21.0(D) inch (600(W) x 380(H) x 535(D))			
	Packing (W x H x D)	26.1(W) x 18.1(H) x 22.6(D) inch (663(W) x 460(H) x 573(D))			
Weight	Net Weight	81.6 lbs(37Kg)	88 lbs(38.8Kg)		92 lbs(42Kg)
	Gross Weight	84.9 lbs(38.5kg)	89 lbs(40.3Kg)		96 lbs(43.5Kg)

# 2. OPERATION

## 1 PARTS OF NAME AND FUNCTION



NO	PART NAME	NO	PART NAME
1	AIR FILTER	7	BLADE HORIZONTAL
2	INLET GRILLE	8	AIR VENT
3	CABINET	9	GRILLE FRONT
4	BLADE VERTICAL	10	FRAME GUIDE TOP
5	PANEL CONTROL	11	FRAME WINDOW KIT
6	REMOTE CONTROLLER	12	SHUTTER WINDOW

## 2 REMOTE CONTROLLER

REMOCON SIGNAL TRANSMITTER

### TIMER/CANCEL

- Everytime you push this button, timer is set as follow.  
(1Hr→2Hr→3Hr→4Hr→5Hr→6Hr→8Hr→10Hr→12Hr→16Hr→20Hr→24Hr→CANCEL).  
After the unit is timed, if this button is pushed, timer is canceled.

### FAN SPEED

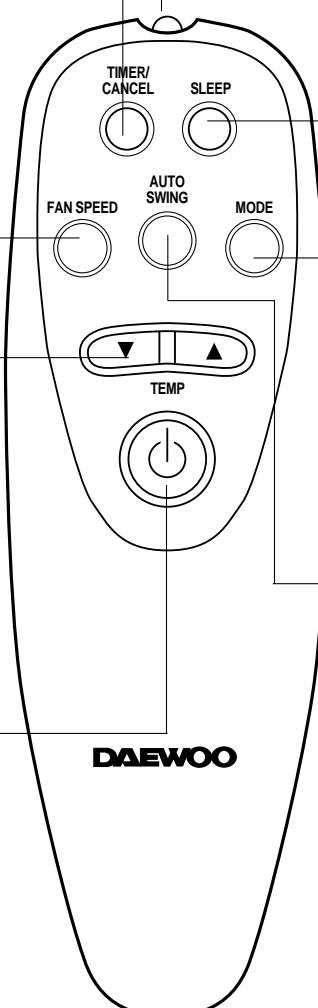
- Everytime you push this button, it is selected as follow.  
(Low→Mid→High→Low)

### TEMPERATURE

- It is the button to set the room in the desired room temp.  
The temp can be set within a range from 16°C(60°F) to 32°C(90°F) by 1°C(1°F)

### POWER ON/OFF

- To turn the unit ON, push this button. To turn the unit OFF, push this button, again.



### SLEEP

- SLEEP mode is selected as follow. (L1→L2→Cancel)

### MODE

- Everytime you push this button, it is selected as follow.  
(COOLING→TURBO→FAN→COOLING)

### AUTO SWING

- Everytime you push this button, the auto swing mode is toggled.

### 3 REMOTE CONTROLLER DISPLAY

#### MODE DISPLAY

- It displays the operating mode.

#### TEMP./TIMER DISPLAY

- It displays the temperature and the timer.

#### REMOTE SIGNAL RECEIVER

#### TEMPERATURE SET

- It is the button to set the desired room temperature.

The temperature can be set within a range from 16°C (60°F) to 32°C (90°F) by 1°C (1°F)

**DAEWOO**

- *Fan*
- *Turbo*
- *Cooling*

● *Timer*

**SENSOR**



#### FAN SPEED

- Everytime you push this button, It is selected as follow. (Low→Mid→High→Low)

#### AUTO SWING

- Everytime you push this button, the auto swing mode is toggled.

#### POWER ON/OFF SWITCH

- To turn the unit ON, push this button. To turn the unit OFF, push this button again.

#### MODE SELECT

- Everytime you push this button, It is selected as follow. (Cooling→Turbo→Fan→Cooling)

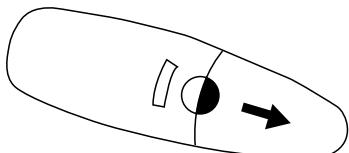
#### ⚠ CAUTION

- When you turn off the unit with cooling mode, the Fan still work for about 10 seconds.

## Replacing Batteries

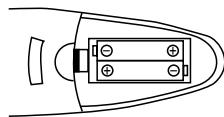
**1** Remove the COVER from the back of the remote controller.

- Slide the cover according to the arrow direction



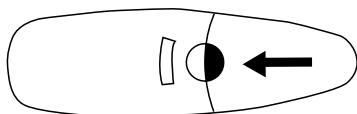
**2** Insert two batteries.

- Be sure that the (+) and (−) directions are correct
- Be sure that both batteries are new



**3** Re-attach the cover.

- Slide it back into position

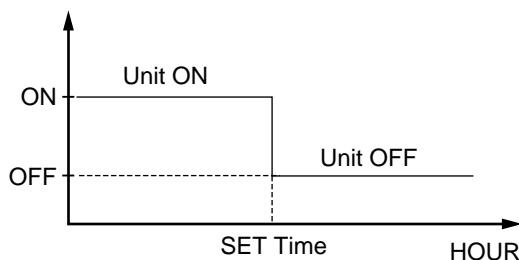


- Do not use rechargeable batteries such batteries differ from standard dry cells in shape, dimensions and performance.
- Remove the batteries from the remote controller if the air conditioner is not going to be used for an extended length of time.

## 4 DESCRIPTION OF FUNCTIONS

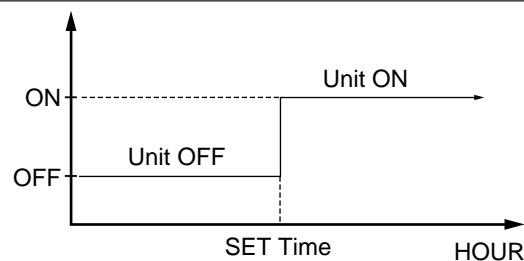
### OFF-Timer

If you set time in OFF-Timer Mode, the unit will stop at the set time.



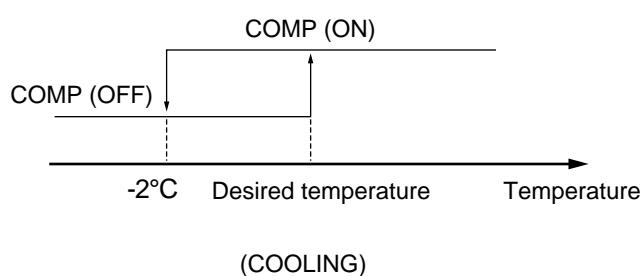
### ON-Timer

If you set time in ON-Timer Mode, the unit will run at the set time.



### Control of Room Temperature

- (1) Range of setting temperature: 16~32°C
- (2) Setting temperature: Operating temperature of compressor



### Buzzer

If the Unit Display receive the signal of Remote Controller, you can hear the signal "beep -" or "beep, beep".

## Fan Speed

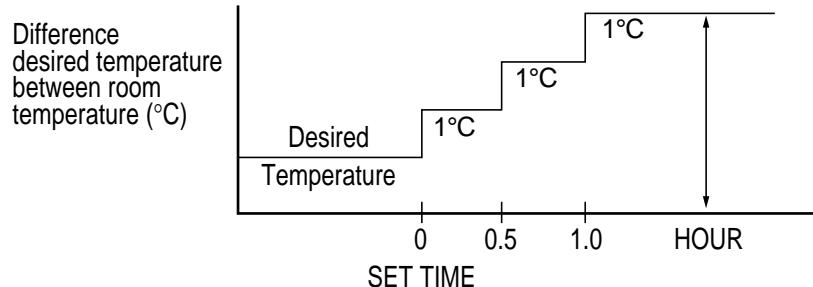
- (1) Motor speed (low speed, mid speed, high speed).
- (2) Remote controller setting fan speed. (L, M, H)
- (3) Relation of operating mode between fan speed.

	FAN ONLY	COOL	TURBO
H	H	H	H
M	M	M	-
L	L	L	-

## Sleep Mode

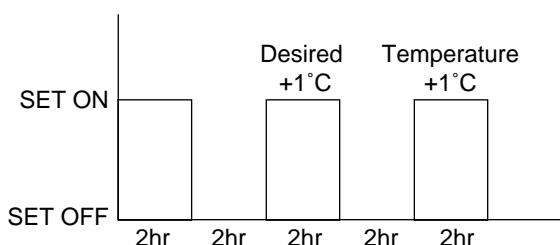
- (1) When you are going to sleep, select sleep button in remote and the unit controls the room to the desired temperature. (The unit will not operate after 4 hour)
- (2) For changing the temperature.

- **Mode I (L1)**



- The unit will not operate after 4 hour.

- **Mode II (L2)**



- The unit will not operate perfectly after 10 hour.

- (3) To cancel sleep mode, press the SLEEP button again or press the MODE button once. : the SLEEP indicator will disappear in the display.

## 3min. Time Delay of Compressor

In normal operation, there is a time delay of three minutes between turn off and turning back on.

## Auto Swing

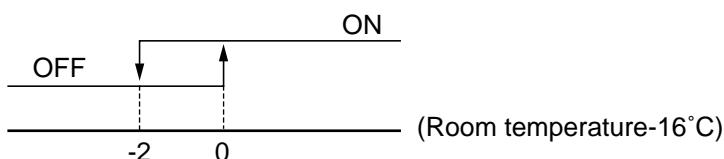
- (1) When you push this button, in remocon the left/right flap move to the position of keeping the room temperature comiortable.
- (2) The air discharge direction procedure is below.

Auto swing 

## Turbo Mode(Powerful Cooling)

### Cooling Condition

- ① Fan Speed: High speed
- ② Set temperature:16°C(Fixed)
- ③ Compressor and Fan



## Self-Diagnostic Function

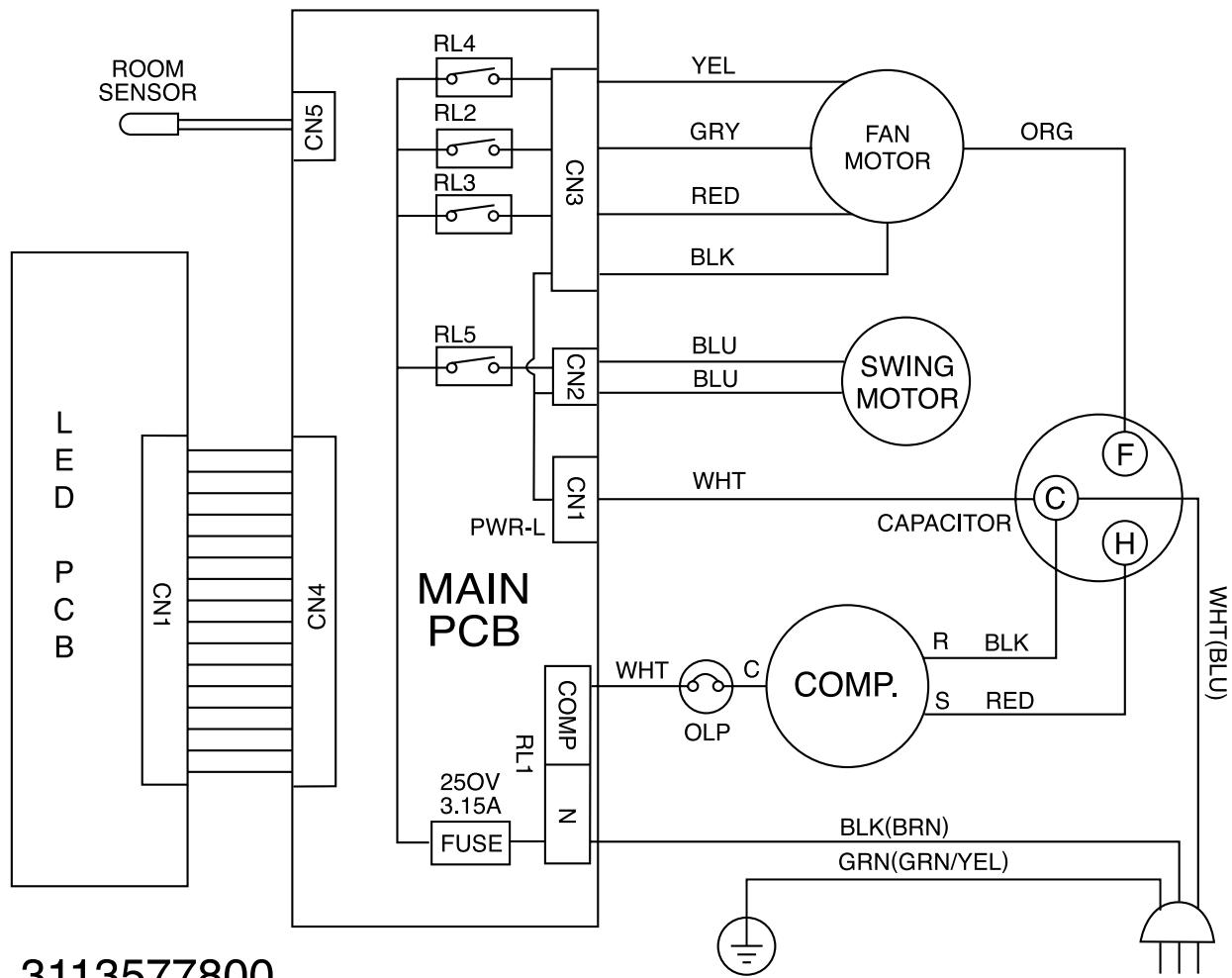
The control will contain diagnostic test to verify the integrity of the system.

### Error Code Display

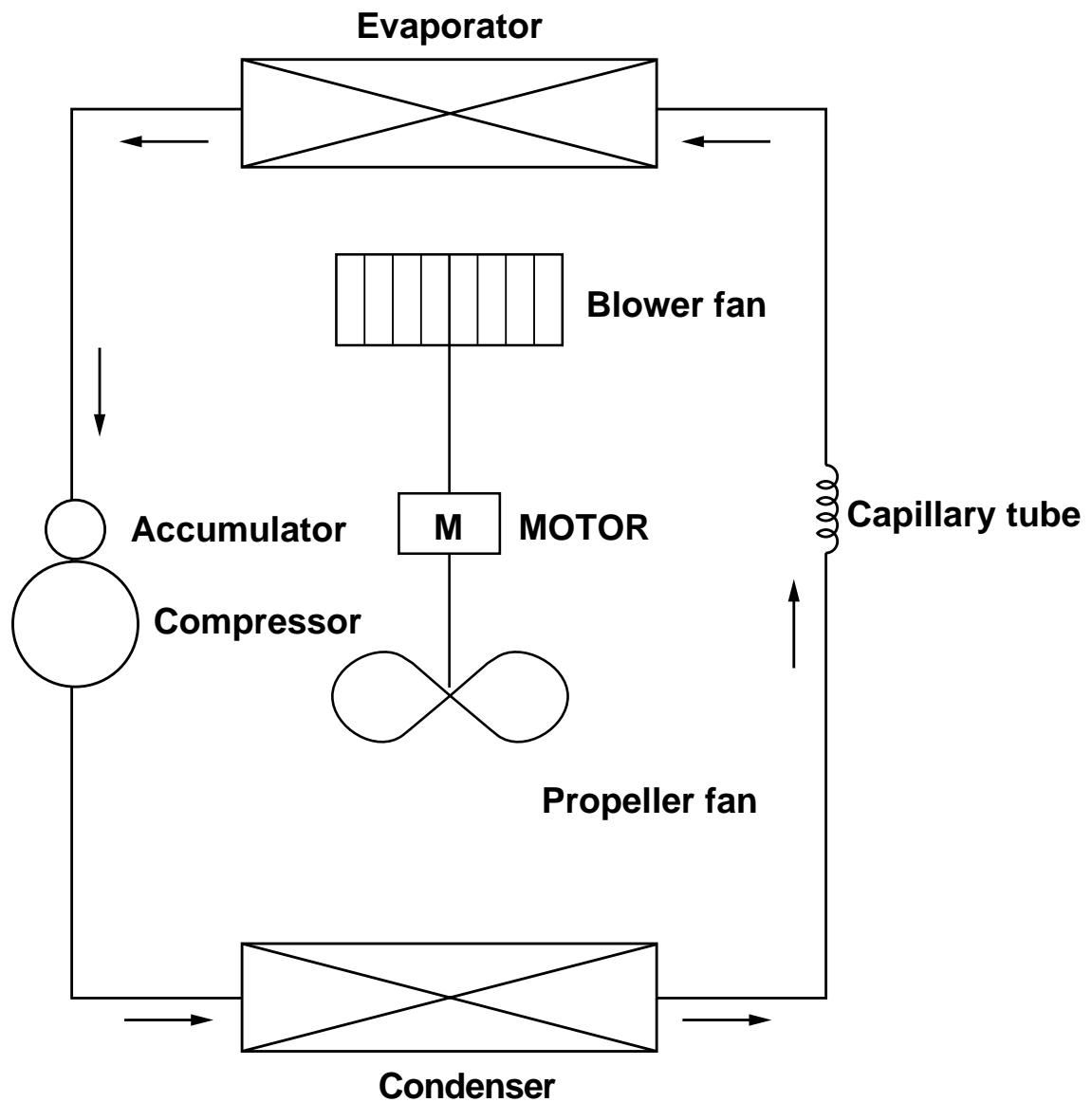
ERROR CODE	88 LED DISPLAY	ERROR CONTENTS
1		Room air thermistor short or open.

Although the error code appears, the unit runs continuously.

### 3. WIRING DIAGRAM

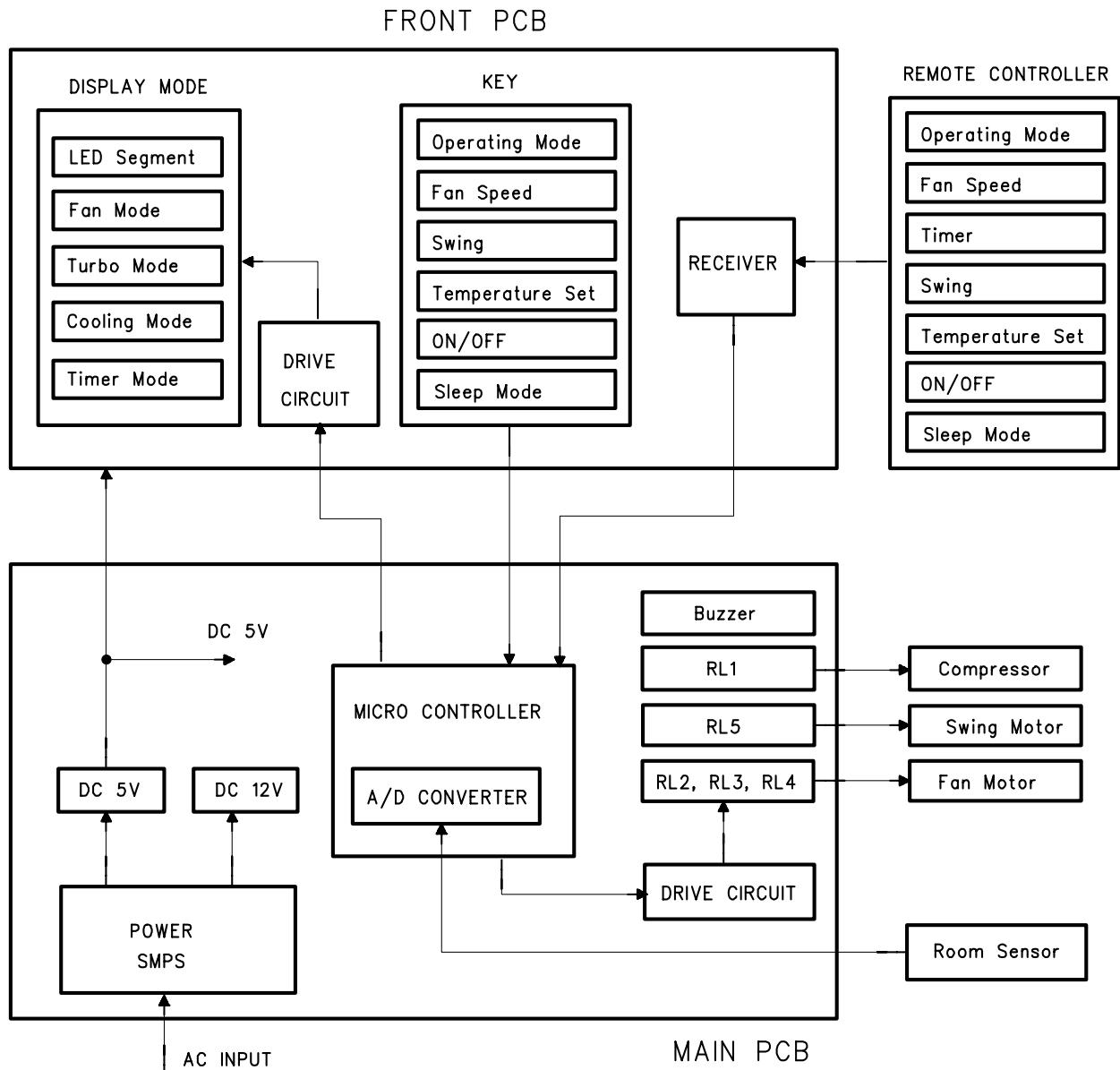


# 4. REFRIGERANT CYCLE

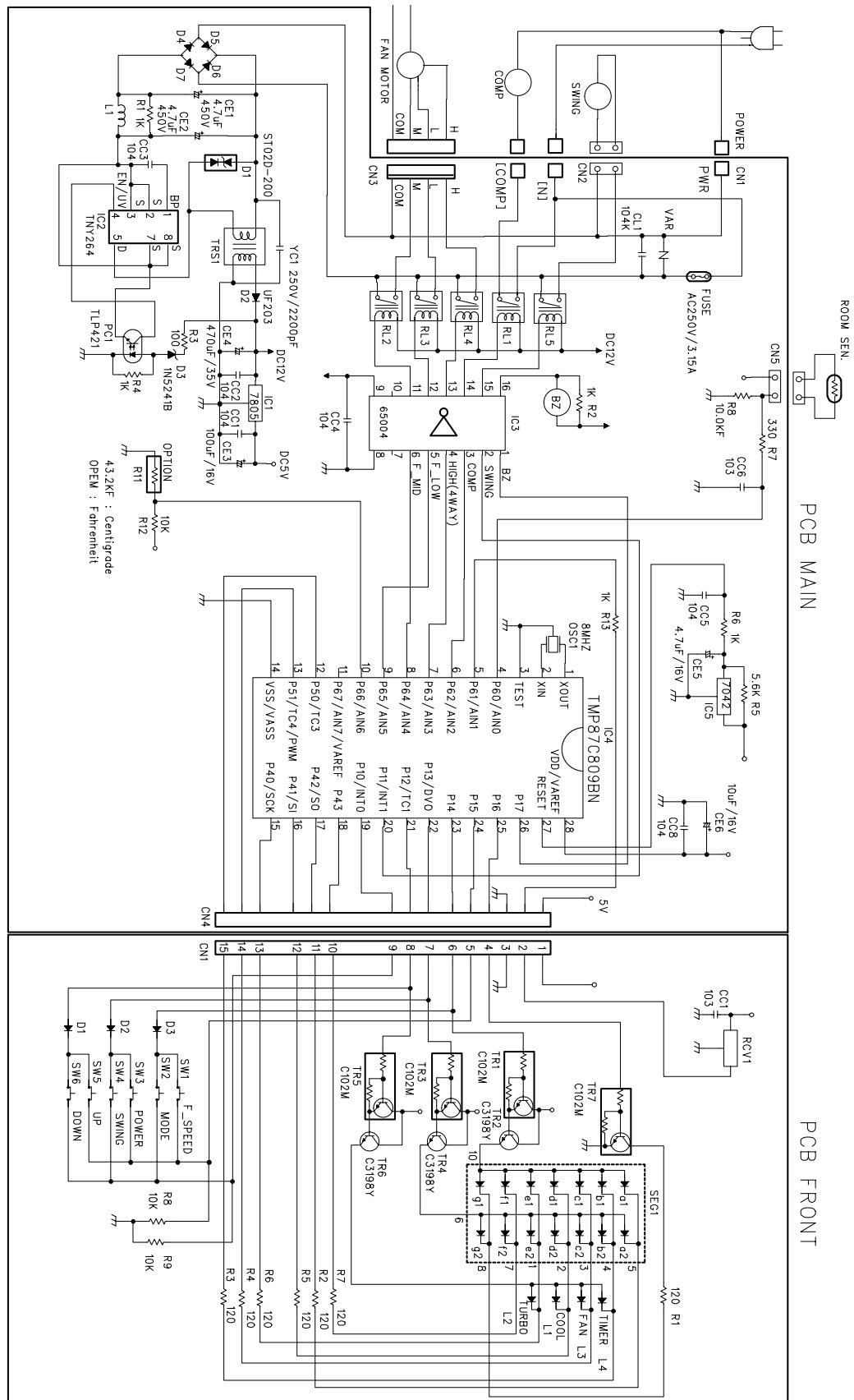


Model Name Contents	DWC-104R	DWC-125R	DWA-125R	DWA-145R
Capillary tube	ID 1.4Ø x L800	ID 1.6Ø x L800	ID 1.6Ø x L800	ID 1.6Ø x L1000
Charge Quantity	560g	730g	740g	670g

# 5. CONTROL BLOCK DIAGRAM



## 6. CIRCUIT DIAGRAM



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## Part List

### ● MAIN PCB AS PART LIST (3114306200)

LOC.	CODE	PART NAME	SPEC	QTY	REMARK
CN1	3108803500	PIN	GP881206-2(250)	1	
CN2	3108802500	WAFER	YW396-03AV	1	
CN3	3108805500	WAFER	YPW500-04V	1	
CN4	3108806500	WAFER	SMW250-15	1	
CN5	3108804200	WAFER	SMW250-02	1	
VAR	D15G561K--	VARISTOR	15G561K/350V	1	
CL1	CLV-B3104M	C-LINE ACROSS	275V 104K(PILKOR)	1	
CLIP	3107000600	FUSE CLIP	AFC-520	2	
FUSE	5FVLB3152L	FUSE GLASS TUBE	250V/50T 3.15A	1	
CE1	CEXE2W106C	C-ELEC	10UF 450V SD	1	
CE2	CEXE2W106C	C-ELEC	10UF 450V SD	1	
CE3	CEXE1C107C	C-ELEC	100MF 16V SD	1	
CE4	CEXE1V477C	C-ELEC	470MF 35V SD	1	
CE5	CEXE1C475A	C-ELEC	4.7MF 50V SD	1	
CE6	CEXE1C106A	C-ELEC	10MF 16V SS	1	
CC1	CCXE1H104M	C-CERA	104M 50VDC	1	
CC2	CCXE1H104M	C-CERA	104M 50VDC	1	
CC3	CCXE1H104M	C-CERA	104M 50VDC	1	
CC4	CCXE1H104M	C-CERA	104M 50VDC	1	
CC5	CCXE1H104M	C-CERA	104M 50VDC	1	
CC6	CCXE1H103M	C-CERA	103M 50VDC	1	
CC8	CCXE1H104M	C-CERA	104M 50VDC	1	
D2	DZUF203---	DIODE	UF203	1	
D3	DZN5241B--	DIODE ZENOR	1N5241B	1	
D4	DZN4007A--	DIODE	IN4007A	1	
D5	DZN4007A--	DIODE	IN4007A	1	
D6	DZN4007A--	DIODE	IN4007A	1	
D7	DZN4007A--	DIODE	IN4007A	1	
R1	RD-4K102J-	R CARBON FILM	1/4 1K OHM J	1	
R2	RD-4K102J-	R CARBON FILM	1/4 1K OHM J	1	
R3	RD-4K101J-	R CARBON FILM	1/4 100 OHM J	1	
R4	RD-4K102J-	R CARBON FILM	1/4 1K OHM J	1	
R5	RD-4K562J-	R CARBON FILM	1/4 5.6K OHM J	1	
R6	RD-4K102J-	R CARBON FILM	1/4 1K OHM J	1	
R7	RD-4K331J-	R CARBON FILM	1/4 330 OHM J	1	
R8	RN-4K1002F	R METAL FILM	1/4 10.0K OHM F	1	
R11	RN-4K4322F	R METAL FILM	1/4 43.2K OHM F	1	Centigrade
R12	RD-4K103J-	R CARBON FILM	1/4 10K OHM J	1	
R13	RD-4K102J-	R CARBON FILM	1/4 1K OHM J	1	
YC1	CH1BFB222K	C CERA	2200PF,250V,Y1	1	
L1	52C102K000	CHOKE COIL	1MH,0.5A	1	
BZ1	3105698200	BUZZER	DP-2520BA	1	
OSC1	5PCRTL8MS0	RESONATOR	CRTL8.00MSOT	1	
TRS1	5EMU1916--	TRANS SMPS	264P,1916	1	
RL1	5SC0101210	RELAY	UKH-12S	1	

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LOC.	CODE	PART NAME	SPEC	QTY	REMARK
RL2	5SC0101310	RELAY	US11-12S	1	
RL3	5SC0101310	RELAY	US11-12S	1	
RL4	5SC0101310	RELAY	US11-12S	1	
RL5	5SC0101310	RELAY	US11-12S	1	
PCB	3114306210	PCB MAIN	80X130X1.6T, FR1	1	
IC1	1L7805CV--	IC REGULATOR	L7805CV	1	
IC5	1KA7042P--	IC RESET	KIA7042P 5L	1	
D1	DZST02D200	DIODE	ST02D-200	1	
IC2	1TNY264P--	IC SMPS	TNY264P	1	
IC3	1KD65004AP	IC DRIVER	KID65004AP	1	
IC4	13GS4K75--	IC MICOM	TMP87C809BN	1	
PC1	1TLP421---	IC PHOTOCOUPLER	TLP421	1	

### ● FRONT PCB AS PART LIST(31143 06100)

LOC.	CODE	PART NAME	SPEC	QTY	REMARK
CN1	3108806600	WAFER	SMAW250-15	1	
CC1	CCXE1H103M	C-CERA	103M 50VDC	1	
D1	DZN4148FTB	DIODE	1N4148 AUTO 26MM	1	
D2	DZN4148FTB	DIODE	1N4148 AUTO 26MM	1	
D3	DZN4148FTB	DIODE	1N4148 AUTO 26MM	1	
R1	RD-4K121J-	R CARBON FILM	1/4 120 OHM J	1	
R2	RD-4K121J-	R CARBON FILM	1/4 120 OHM J	1	
R3	RD-4K121J-	R CARBON FILM	1/4 120 OHM J	1	
R4	RD-4K121J-	R CARBON FILM	1/4 120 OHM J	1	
R5	RD-4K121J-	R CARBON FILM	1/4 120 OHM J	1	
R6	RD-4K121J-	R CARBON FILM	1/4 120 OHM J	1	
R7	RD-4K121J-	R CARBON FILM	1/4 120 OHM J	1	
R8	RD-4K103J-	R CARBON FILM	1/4 10K OHM J	1	
R9	RD-4K103J-	R CARBON FILM	1/4 10K OHM J	1	
SW1	3109300900	S/W TACT	JTP 1212	1	
SW2	3109300900	S/W TACT	JTP 1212	1	
SW3	3109300900	S/W TACT	JTP 1212	1	
SW4	3109300900	S/W TACT	JTP 1212	1	
SW5	3109300900	S/W TACT	JTP 1212	1	
SW6	3109300900	S/W TACT	JTP 1212	1	
PCB	3114306110	FRONT PCB	121X69.5X1.6T,FR1	1	
RCV1	1354HF2---	RECEIVER MODULE	354HF2	1	
SEG1	3103003710	LED SEGMENT	DDG-5026M1(ANODE)	1	
L1	DDLG5031D-	LED	DLG-5031D(GRN)	1	
L2	DDLG5031D-	LED	DLG-5031D(GRN)	1	
L3	DDLG5031D-	LED	DLG-5031D(GRN)	1	
L4	DDLG5031D-	LED	DLG-5031D(GRN)	1	
TR1	TKRC102M--	TR	KRC 102-M	1	
TR3	TKRC102M--	TR	KRC 102-M	1	
TR5	TKRC102M--	TR	KRC 102-M	1	
TR7	TKRC102M--	TR	KRC 102-M	1	
TR2	TZTC3198Y-	TR	KTC3198Y	1	
TR4	TZTC3198Y-	TR	KTC3198Y	1	
TR6	TZTC3198Y-	TR	KTC3198Y	1	

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## ●Remocon ASS'Y(3108402950)

NO	PART NAME	SPEC	PART CODE	Q'TY	REMARK
1	CASE-A	ABS380	3101100510	1	
2	CASE-B	BAS380	3101100600	1	
3	CUSHION KEY	SILICON 6U	3101405900	1	
4	SPRING A	SUS304	3105100600	1	
5	SPRING B	SUS304	3105100700	1	
6	COMMON SPRING	SUS304	3105100800	1	
7	SCREW A	M1.9*6.5	3108495110	3	
8	RESONATOR	RJ-455BL	5ZAR455---	1	X1
9	ELEC CONDENSOR	10VB 47M	CEAF10475M	1	C1
10	CHIP CONDENSOR	CETMK212F221Z-T	HCQD220MQ	2	C2,3
11	CHIP RESISTOR	1/10W 1.5 OHM	HRFT159JCP	1	R1
12	CHIP RESISTOR	1/10W100K OHM	HRFT104JCP	3	R2,3,4
13	TRANSISTOR	STN2222	TSTN2222-	1	Q1
14	LED IR	SI5312-H	DS5312-H--	1	IR1
15	IC REMOCON	PT2221	14EZPT2221	1	U1
16	COVER BTRY	ABS	3101405900	1	
17	PCB REMOCON	FR-1	3104302000	1	
18	HOLDDER REMOCON	ABS	3103003400	1	

# 7. TROUBLE SHOOTING

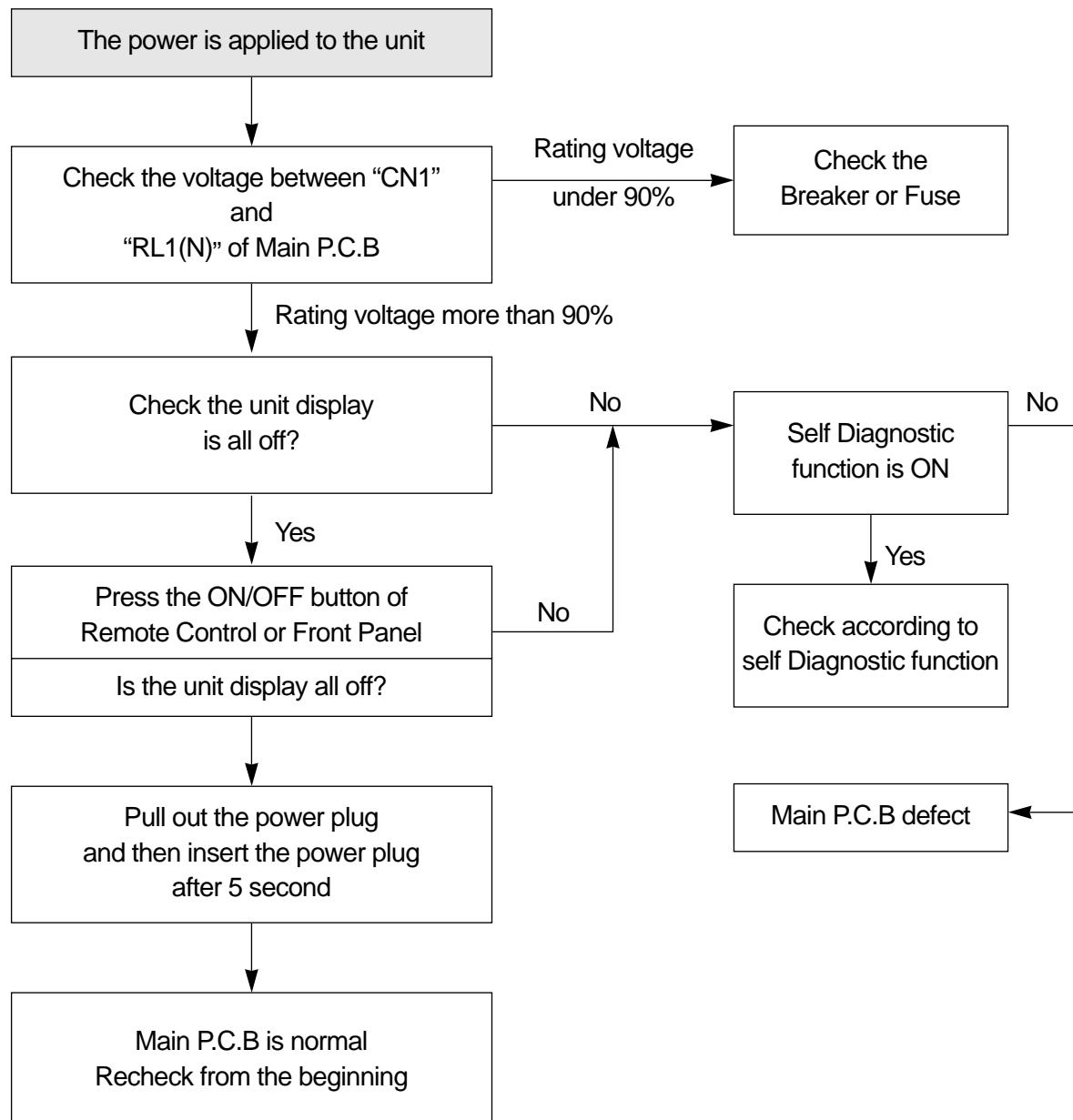
## Self-Diagnostic Function

### Error Code 1(Er)

- ① Check the connector of room air thermistor. (or connecting wire)
- ② Check soldering of connecting on control P.C.B. (Error of soldering or short)
- ③ Check the resistance of room air thermistor.

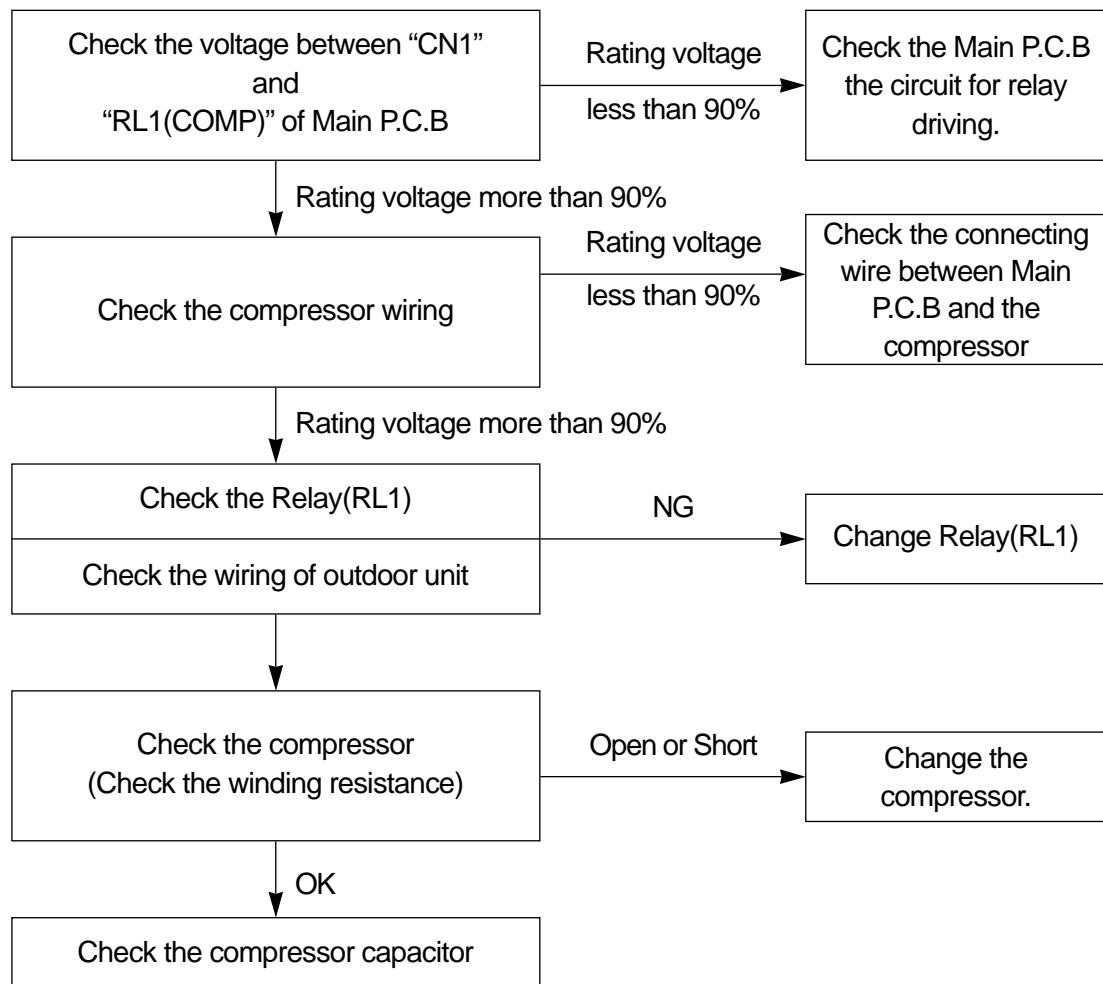
"Press the temperature Keys (Up & Down), Error code is displayed."

## Unit Not Run



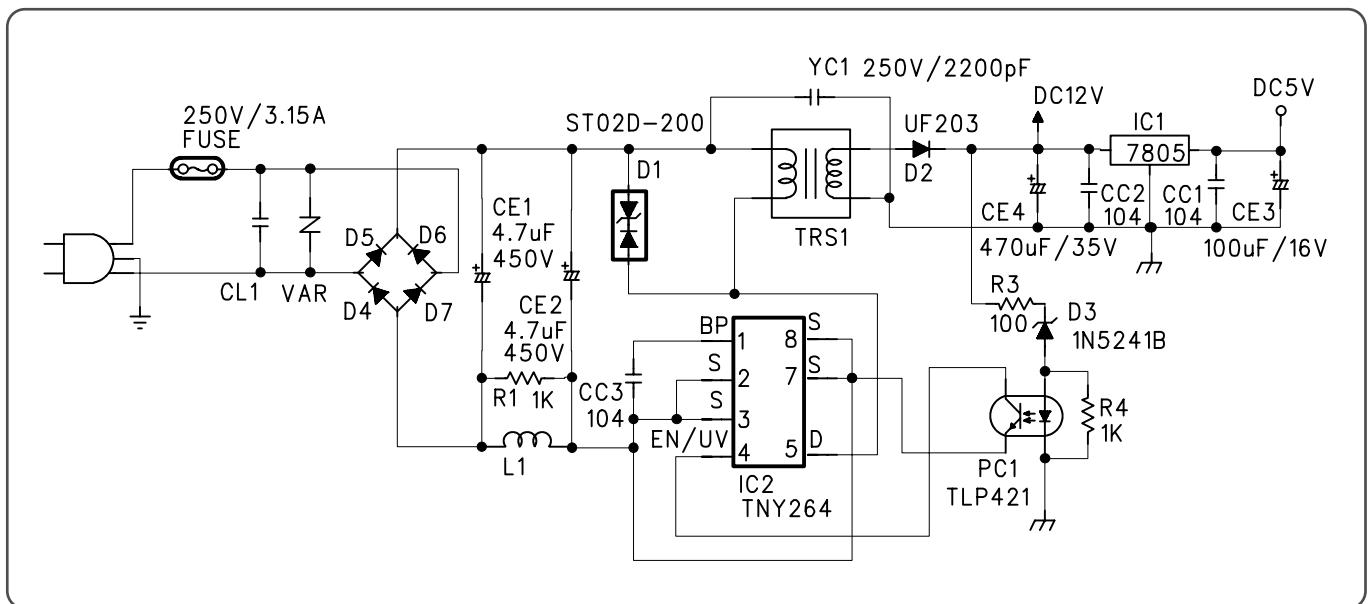
## Only Compressor Do not Run

- Check the following at cooling mode



# PCB DRIVING DESCRIPTION

## 1. Power Supply Circuit



DC 12V and DC 5V Power source circuit.

Diode D4~D7 : Rectifier Diodes

Condenser CE1 and CE2 : Smoothing circuit components.

DC 12V Power output is made by switching performance of Device IC2 and TRS1.

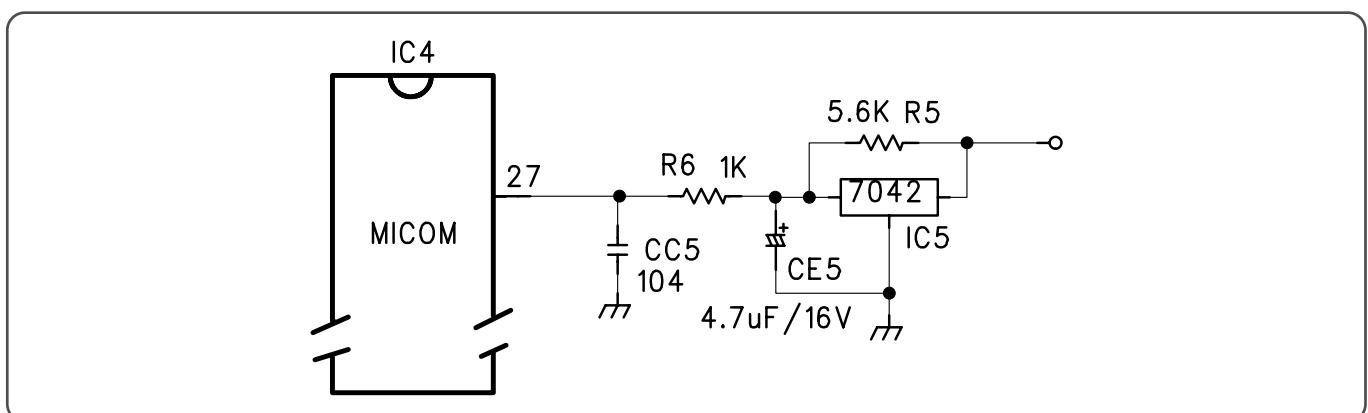
DC 12V Power is used for Relay and Buzzer driving.

DC 5V is regulated by IC1. It is used for LED display, Sensor, Key and Micom driving.

Regulation of DC12V is performed by PC1 and its voltage feedback signal.

And the others are generally used for noise consumption.

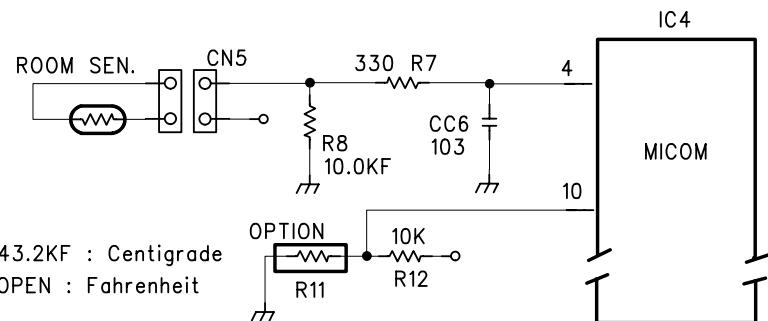
## 2. Reset Operation Circuit



Micom IC4 is operated by IC5 and its signal. Generally, DC5V is checked at port 27 of IC4.

R5 and CE5 : Parts for determine reset signal timing when the power is ON and OFF.

### 3. Sensor Signal Input Circuit and Option



Port 4 of IC4 is terminal of A/D converter input.

Room temperature is sensing by change of temperature resistance.

The input voltage is determined by ratio between R8 (10.0 KΩ) and Room sensor value.

Relation between temperature and input voltage is as following.

Temperature (°C)	Sensor resistance (KΩ)	Input Voltage (V)
-5	43.67	0.932
0	33.40	1.152
5	25.79	1.397
10	20.10	1.661
15	15.80	1.938
20	12.52	2.220
25	10.00	2.500
30	8.05	2.770
35	6.52	3.027

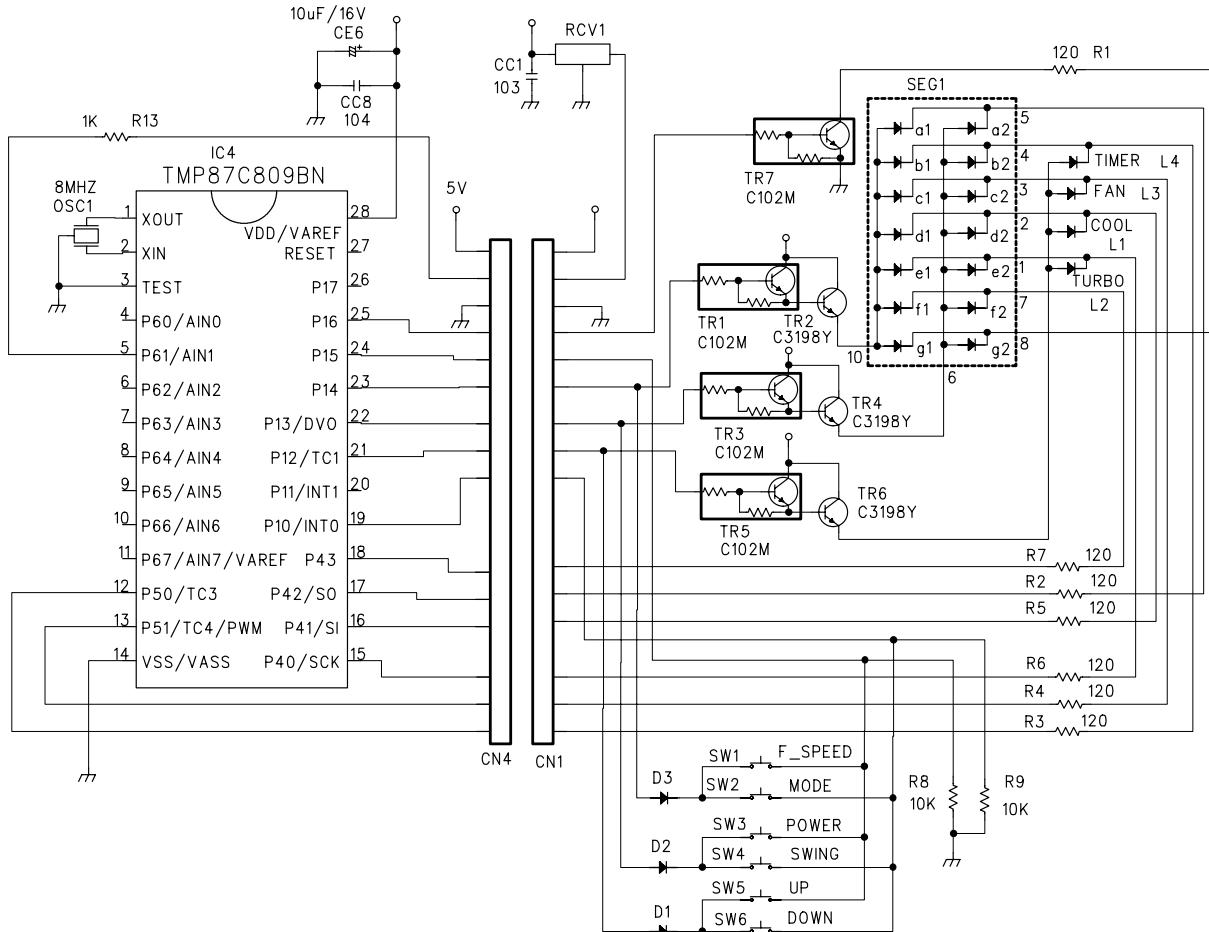
Port 10 of IC1 is a type of temperature display option port.

It is determined by ratio between R11 and R12.

Relation between R11 and Display temperature type is as following.

R11(KΩ)	Input Voltage(V)	Temperature display type
43.2	4.06	Centigrade (°C)
OPEN	5.00	Fahrenheit (°F)

## 4. Display drive and Key Input Circuit



Display operation is dynamic scan drive type. It has 1/3 duty cycle.

Scan signal output : Port 21, Port 22, Port 23

TR1~TR6 : Scan signal drive circuit

R1~R7 : LED current limit resistance .(for 6 high current output port 12,13,15,16,17,18)

Port 19, Port 24 of IC4 : Key signal input by scan.

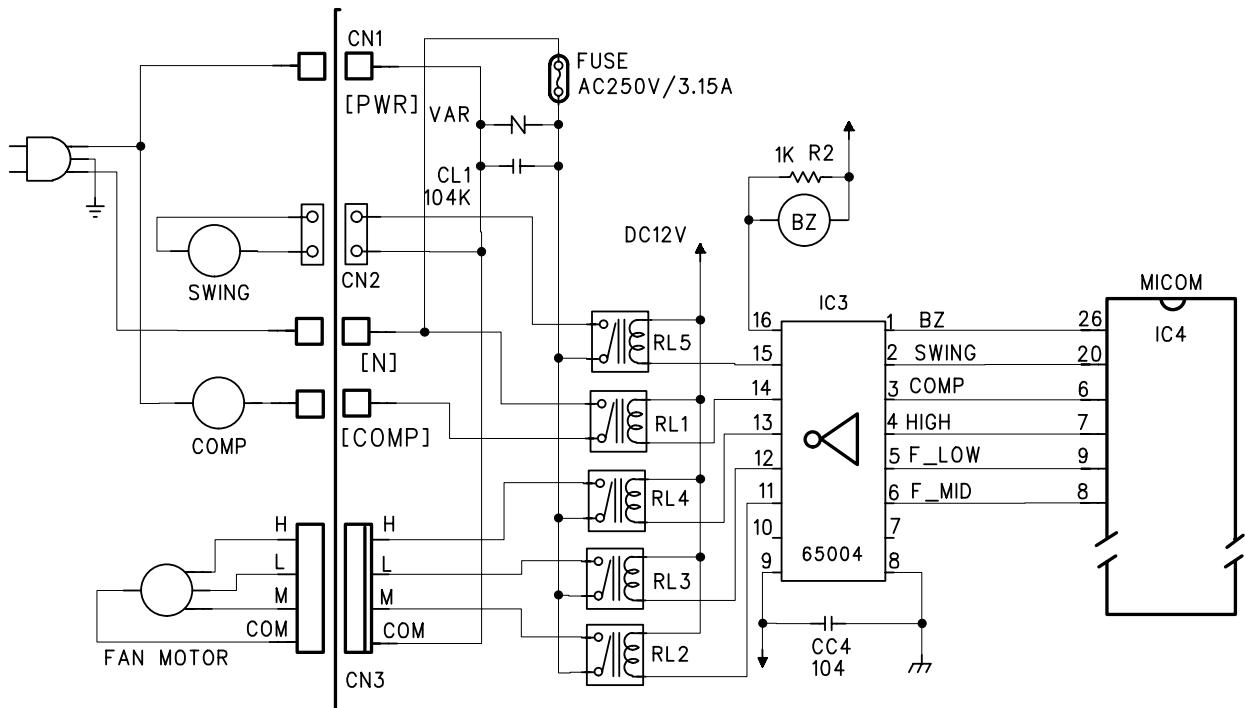
Oscillatory frequency is 8MHz. It is made up resonator oscillatory frequency.

Oscillatory wave is sine wave shape.

The remote control signal input is detected at port 5 of IC4.

CE6 and CC8 : Noise protection parts

## 5. Relay and Buzzer drive Circuit



Port 6,7,9 of IC4 : Relay ON and OFF drive signal output.

IC3 : Relay ON and OFF drive device.

Fan Motor ON/OFF and Speed control : RL2, RL3, RL4

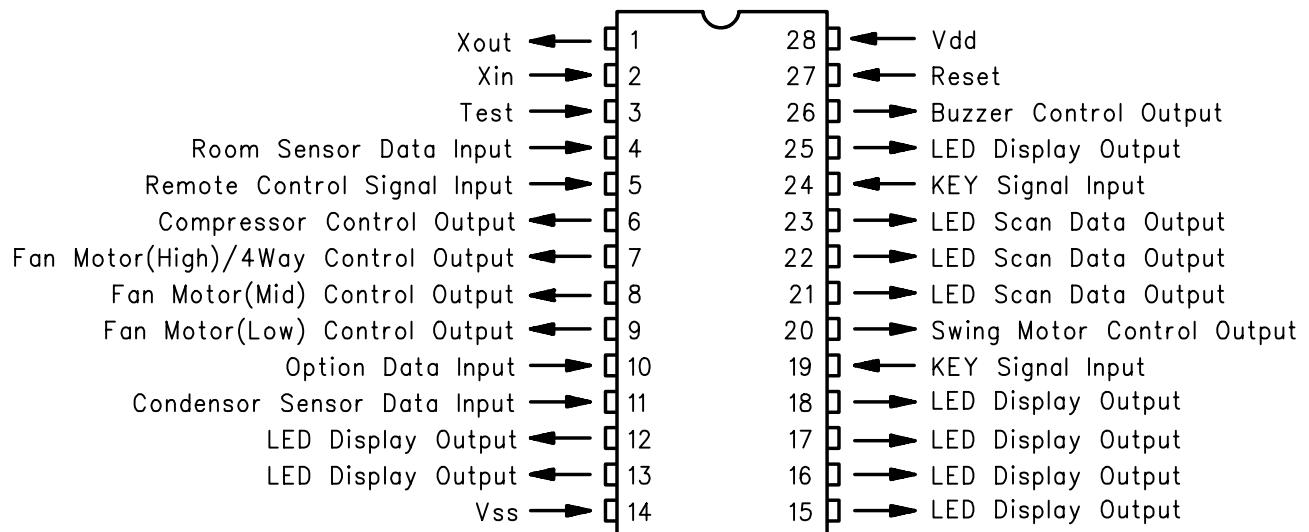
Compressor ON/OFF control : RL1.

Swing Motor ON/OFF control : RL5

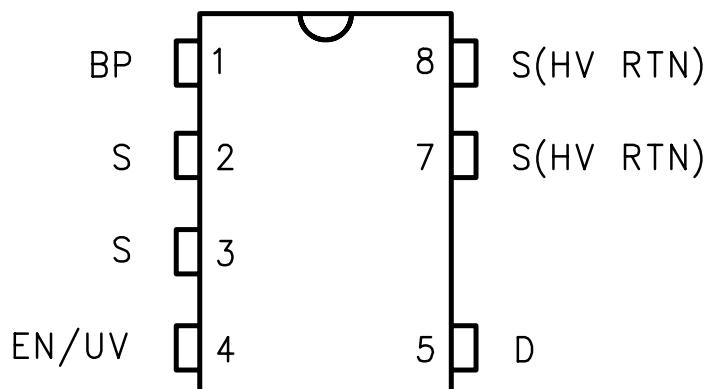
Buzzer is operated by Port 26 of IC4. Operative frequency is 2 KHz, 1/2 duty pulse.

# 8. KEY COMPONENTS OF ELECTRIC CIRCUIT

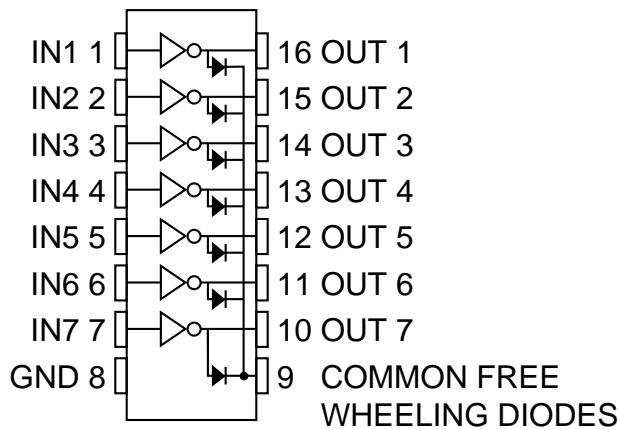
## (1) IC4 (TMP87C809N) MICOM



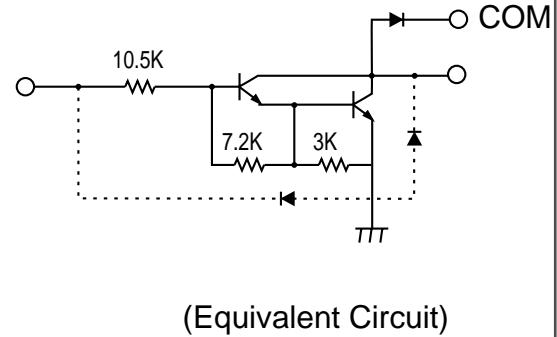
## (2) IC2 (TNY264) SMPS SWITCH IC



### (3) U2(TD62004AP) DARLINGTON ARRAYS



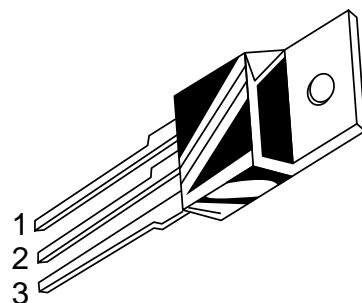
KID65004AP



(Top View)

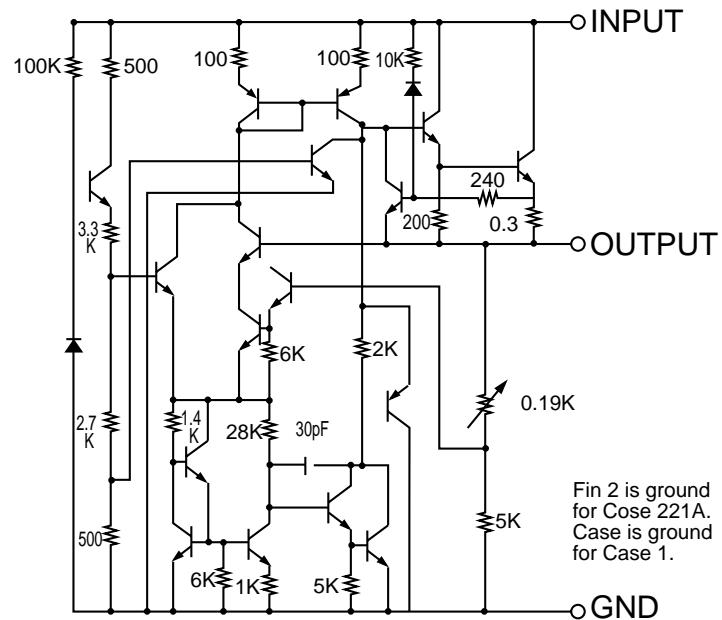
### (4) U7 (7805CT): VOLTAGE REGULATOR (5VDC)

TSUFFIX  
 PLAASTIC PACKAGE  
 CASE 221A  
 TO-220TYPE



Pin 1. INPUT  
 2. GROUND  
 3. OUTPUT

SCHEMATIC DIAGRAM



# 9. DISASSEMBLY INSTRUCTIONS

Please refer to the chapter 10 (Exploded diagram and parts list).

1	Before service of any part.	<ol style="list-style-type: none"><li>1. Stop the unit, remove the power cord from the receptacles.</li><li>2. Move the unit to the safe location for the suitable work.</li></ol>
2	Ass'y Fan Motor - Fan Motor - Propeller Fan - Blower Fan	<ol style="list-style-type: none"><li>1. Remove Front Grille<ul style="list-style-type: none"><li>- Open the grille upward by pulling out the bottom of the grille, lift it.</li><li>- Remove screw which fasten Frame Grille with driver.</li><li>- Disassemble Frame Grille from chassis.</li></ul></li><li>2. Remove the unit from Cabinet.<ul style="list-style-type: none"><li>- Remove screws (2 point) from the unit's sides.</li><li>- Pull the unit from cabinet</li></ul></li><li>3. Remove Holder Scroll.</li><li>4. Remove Scroll upper</li><li>5. Remove Ass'y Control Box<ul style="list-style-type: none"><li>- Remove screws (4 point).</li><li>- Remove wires in the each components.</li></ul></li><li>6. Remove wires in the Panel Housing.</li><li>7. Remove screws (4 point) from Ass'y Fan Motor's sides.<ul style="list-style-type: none"><li>- Ass'y Fan Motor is assembly of Fan Motor, Propeller and Blower Fan, Orifice and Panel Housing.</li></ul></li><li>8. Lift the Ass'y Fan Motor from the unit.</li><li>9. Remove Clip Fan (2 point) from the shaft of Fan Motor.</li><li>10. Remove Propeller Fan from the shaft of Fan Motor.</li><li>11. Remove Blower Fan from the shaft of Fan Motor.</li><li>12. Remove Fan Motor from Panel Housing.<ul style="list-style-type: none"><li>- Remove screws (4 point).</li></ul></li></ol>
3	Ass'y Control Box - Panel Control - Main Pcb - Front Pcb - Capacitor - Power Cord	<ol style="list-style-type: none"><li>1. Same as the procedure 1 to 5 in the Item 2.</li></ol>
4	O.L.P	<ol style="list-style-type: none"><li>1. Same as the procedure 1 to 2 in the Item 2.</li><li>2. Remove Terminal Cover from Compressor.<ul style="list-style-type: none"><li>- Remove hex-nut (1 point).</li></ul></li></ol>

# 10. EXPLODED DIAGRAM AND PARTS LIST

✓ **Caution:** In this Service Manual, some parts can be changed for improving, their performance without notice in the parts list. So, if you need the latest parts information, please refer to PPL(Parts Price List) in Service information Center(<http://svc.dwe.co.kr>)

## ■ DWC-104R,DWC-125R PARTS LIST

No.	CODE	COMPONENTS	Q'TY	SPECIFICATION	REMARK
1	3112200400	FRAME GRILLE	1	HIPS(HI-450)	
1-1	3112401600	GRILLE	1	HIPS(HI-450)	
2	3104202400	PANEL CONTROL	1	HIPS	
3	3101601311	DECO FRONT	1	PC FILM T0.4, STICKER	
4	3111901410	FILTER PRE	1	HIPS(HI-450), NANO SILVER	
5	3106501800	BLADE VERTICAL	1	HIPS	
6	3106501700	BLADE HORIZONTAL	1	PP(H-540)	
7	3108504710	SEAL GRILLE	1	F-US T15*30*550	DWC-125R
	3108504700	SEAL GRILLE	1	F-US T15*35*785	DWC-104R
8	3108100900	PAN BASE	1	SGCC T1.0 15" COMP HOLE	
9	3107400800	ASS'Y EVAPORATOR	1	2R2C, ø9.52, P1.3	DWC-125R
	3107400810	ASS'Y EVAPORATOR	1	2R2C, ø7.0, P1.3	DWC-104R
10	3104421110	PIPE EVA IN	1	C1220-0L, ø9.52	DWC-125R
	311009HZ00	AS PIPE EVA IN	1	C1220-0L, ø7.0	DWC-104R
11	3100063600	PIPE EVA OUT AS	1		DWC-125R
	3100063610	PIPE EVA OUT AS	1		DWC-104R
12	3104421700	PIPE EVA OUT 1	1	C1220T-0L OD9.52*T0.8	DWC-125R
	3104421710	PIPE EVA OUT 1	1	C1220T-0L OD7.94*T0.6	DWC-104R
13	3104423140	PIPE SUCTION	1	C1220T-0L	DWC-125R
	3104423170	PIPE SUCTION	1	C1220T-0L	DWC-104R
14	3100061602	PIPE CAPILLARY AS	1	C1220T-0L	DWC-125R
	3100061670	PIPE CAPILLARY AS	1	C1220T-0L	DWC-104R
15	3117142600	COMP AS	1	LG QK164CBJ(115V,60HZ)	DWC-125R
	3117144300	COMP AS	1	SS 44B092HX1JF(115V,60HZ)	DWC-104R
16	3104425870	PIPE DISCHARGE	1	C1220T-0L	DWC-125R
	31044258A0	PIPE DISCHARGE	1	C1220T-0L, OD7.94	DWC-104R
17	3100063500	PIPE COND OUT AS	1	DWC-121C	DWC-125R
	3100063520	PIPE COND OUT AS	1	DWC-104C	DWC-104R
18	3100063400	PIPE COND IN AS	1	C1220T-0L T0.7*OD7	DWC-125R
	3104420830	PIPE COND IN 1	1	C1220T-0L. OD7	DWC-104R
19	3106800300	ASS'Y CONDENSER	1	DWC-121C(3R-2C, ø7.0, P1.5)	DWC-125R
	3106800320	ASS'Y CONDENSER	1	DWA-094R(2R-2C, ø7.0, P1.5)	DWC-104R
19-1	3108504310	SEAL COND TOP	1	F-US, 350*15*T10	
20	3101202800	CLIP FAN	2	SK-5	
21	3101802600	FAN BLOWER	1	ABS-730	

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No.	CODE	COMPONENTS	Q'TY	SPECIFICATION	REMARK
22	3101404100	COVER MOTOR	1	EPS(NATURAL)	
23	3104202000	PANEL HOUSING	1	SGCC T1.0*780*415 ZERO/SP	
24	3102000500	FIXTURE RUBBER	1	NBR(11.6g)	
24-1	3100700600	BUSHING GUIDE	1	NBR	
25	3108004920	MOTOR FAN	1	AM12DWD10, 115V, 60HZ	
26	7S432X5121	SCREW HEX	4	TT3 HEX M5*12 MFZN	
27	3101802700	FAN PROPELLER	1	ABS-5220 BLACK	
28	3102201100	WINDOW KIT FRAME(L)	1	HIPS(HI-425TV)	
29	3102201000	WINDOW KIT FRAME(R)	1	HIPS(HI-425TV)	
30	3100604200	PLATE WINDOWE TOP	1	SGCC T1.2*602*86.5	
31	3100061000	CABINET ASS'Y	1	DWC-121C	
32	3100604300	BRACKET WINDOW LOWER	2	SGCC T0.8*80.5*27	
33	3100604500	BRACKET SILL	2	SGCC T1.6*288*75	
34	3106600610	SCROLL LOWER	1	EPS FR20-Y(GRAY)	
35	3103700100	LEVER VENT	1	PP(H-540)	
36	3103700100	WASHER VENT	1	PP(H-540)	
37	3104600100	RING VENT	1	P6	
38	3106700400	CAM	1	PCM	
39	7141300611	SCREW TAPPING	4	PAN 3X6	
40	3114306200	PCB MAIN	1	12K CHASSIS(FUSE:250V, 3.15A)	Centigrade
	3114307800	PCB MAIN	1	12K CHASSIS(FUSE:250V, 3.15A)	Farenheit
41	3114306100	PCB FRONT	1	WRAC 12K CHASSIS	
42	5EPU040000	TRANSFORMER	1	DWA-220B(115V/60HZ)	
43	3111372B20	POWER CORD	1	SJT 3*16 AWG,125V,13A	UL,MEXICO
44	3109507400	CAPACITOR	1	370VAC 12/50 $\mu$ F	DWC-125R
	3116907100	CAPACITOR	1	370VAC 12/45 $\mu$ F	DWC-104R
45	3101200600	CLAMP CAPACITOR	1	SGCC T0.8	
46	3108004800	MOTOR SWING	1	ST-16 120VAC 60HZ	
47	3100508510	BOX CONTROL	1	SGCC T0.8*410*331 ZERO/SP	
48	3106600510	SCROLL UPPER	1	EPS FR20-Y	DWC-125R
	3106600500	SCROLL UPPER	1	EPS FR20-Y	DWC-104R
49	3103002800	HOLDER SCROLL	2	SGCC 1.0T	
50	3104404400	PIPE RUBBER BUTYL	1	T5X55X40	
51	3102708801	HARNESS COMP ASSY	1	UL-1015-16	
52	3110099A10	AS CAP DRAIN	1		
53	3102708510	HARNESS DISPLAY	1	UL 1007-22(15 PIN)	
54	3101404201	COVER ORIFICE	1	PP(H-540)	DWC-125R
	3101404200	COVER ORIFICE	1	PP(H-540)	DWC-104R

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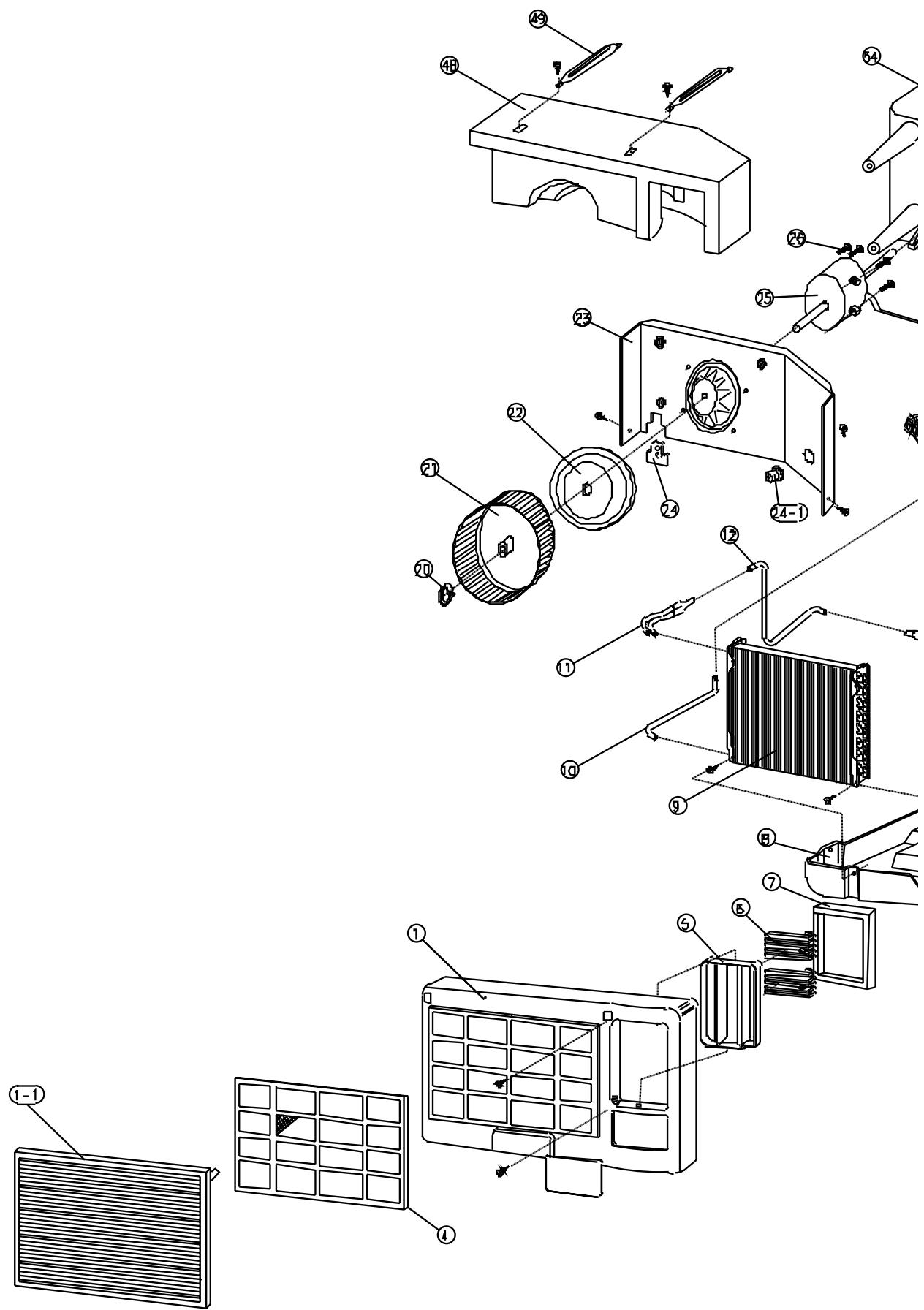
## ■ DWA-125R, DWA-145R PARTS LIST

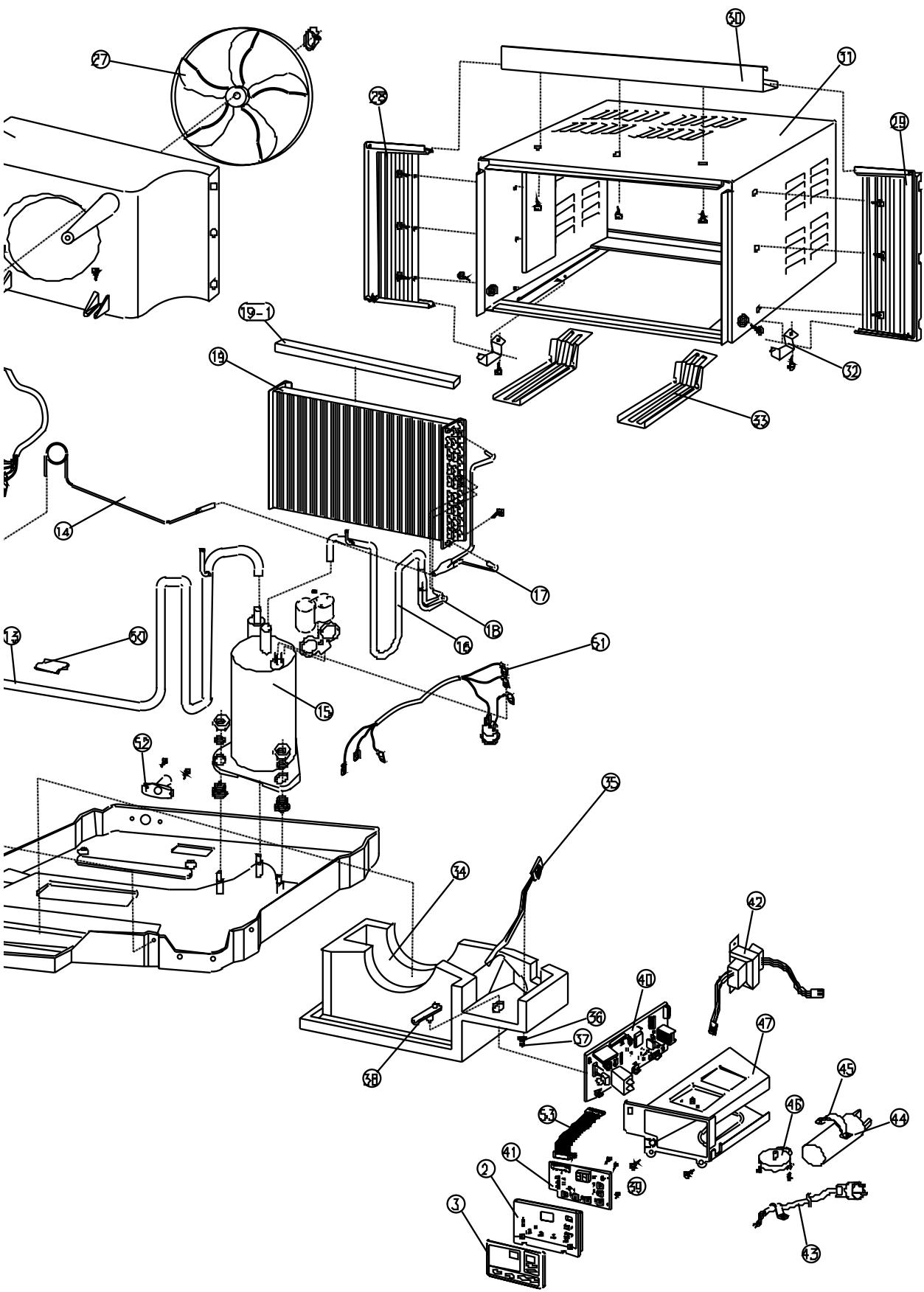
No.	CODE	COMPONENTS	Q'TY	SPECIFICATION	REMARK
1	3112200410	FRAME GRILLE	1	HIPS(HI-450)	
1-1	3112401600	GRILLE	1	HIPS(HI-450)	
2	3104202400	PANEL CONTROL	1	HIPS	
3	3101601311	DECO FRONT	1	PC FILM T0.4, STICKER	
4	3111901410	FILTER PRE	1	HIPS(HI-450), NANO SILVER	
5	3106501800	BLADE VERTICAL	1	HIPS	
6	3106501700	BLADE HORIZONTAL	1	PP(H-540)	
7	3108504710	SEAL GRILLE	1	F-US T15*30*550	
8	3108100900	PAN BASE	1	SGCC T1.0 15" COMP HOLE	DWA-125R
	3108100910	PAN BASE	1	DWA-150C	DWA-145R
9	3107400800	ASS'Y EVAPORATOR	1	2R2C, ø9.52, P1.3	
10	3104421110	PIPE EVA IN	1	C1220-0L, ø9.52	
11	3100063600	PIPE EVA OUT AS	1		
12	3104421700	PIPE EVA OUT 1	1	C1220T-0L OD9.52*T0.8	
13	3104423140	PIPE SUCTION	1	C1220T-0L	DWA-125R
	3104423150	PIPE SUCTION	1	C1220T-0L	DWA-145R
14	3100061602	PIPE CAPILLARY AS	1	C1220T-0L	DWA-125R
	3100061660	PIPE CAPILLARY AS	1	C1220T-0L	DWA-145R
15	3117142400	COMP AS	1	LG QK164KBB(208~230V,60HZ)	DWA-125R
	3117142300	COMP AS	1	LG QK196KBD(208~230V,60HZ)	DWA-145R
16	3104425870	PIPE DISCHARGE	1	C1220T-0L	DWA-125R
	3104425880	PIPE DISCHARGE	1	C1220T-0L	DWA-145R
17	3100063500	PIPE COND OUT AS	1	DWC-121C	DWA-125R
	3100063510	PIPE COND OUT AS	1	DWA-145C	DWA-145R
18	3100063400	PIPE COND IN AS	1	C1220T-0L T0.7*OD7	DWA-125R
	3100063410	PIPE COND IN AS	1	C1220T-0L T0.7*OD7	DWA-145R
19	3106800300	ASS'Y CONDENSER	1	DWC-121C(3R-2C, ø7.0, P1.5)	
19-1	3108504300	SEAL COND TOP	1	F-US, T18*38*515	
20	3101202800	CLIP FAN	2	SK-5	
21	3101802600	FAN BLOWER	1	ABS-730	
22	3101404100	COVER MOTOR	1	EPS(NATURAL)	
23	3104202001	PANEL HOUSING	1	SGCC T1.0*780*415 ZERO/SP	
24	3102000500	FIXTURE RUBBER	1	NBR(11.6g)	
24-1	3100701500	BUSHING GUIDE	1	NBR	
25	3108005020	MOTOR FAN	1	AM12DWD12, 208~230V, 60HZ	DWA-125R
	3108005220	MOTOR FAN	1	AM12DWD11, 208~230V, 60HZ	DWA-145R
26	7S432X5121	SCREW HEX	4	TT3 HEX M5*12 MFZN	

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No.	CODE	COMPONENTS	Q'TY	SPECIFICATION	REMARK
27	3101802700	FAN PROPELLER	1	ABS-5220 BLACK	
28	3102201100	WINDOW KIT FRAME(L)	1	HIPS(HI-425TV)	
29	3102201000	WINDOW KIT FRAME(R)	1	HIPS(HI-425TV)	
30	3100604200	PLATE WINDOW TOP	1	SGCC T1.2*602*86.5	
31	3100061011	CABINET ASS'Y	1	DWC-121C	
32	3100604300	BRACKET WINDOW LOWER	2	SGCC T0.8*80.5*27	
33	3100604500	BRACKET SILL	2	SGCC T1.6*288*75	
34	3106600610	SCROLL LOWER	1	EPS FR20-Y(GRAY)	
35	3103700101	LEVER VENT	1	PP(H-540)	
36	3103700100	WASHER VENT	1	PP(H-540)	
37	3104600100	RING VENT	1	P6	
38	3106700400	CAM	1	PCM	
39	7141300611	SCREW TAPPING	4	PAN 3X6	
40	3114306200	PCB MAIN	1	12K CHASSIS(FUSE:250V, 3.15A)	Centigrade
	3114307800	PCB MAIN	1	12K CHASSIS(FUSE:250V, 3.15A)	Farenheit
41	3114306100	PCB FRONT	1	WRAC 12K CHASSIS	
42	5EPU040000	TRANSFORMER	1	DWA-220B(115V/60HZ)	
43	3111362B30	POWER CORD	1	SJT 3*18 AWG, 250V	
44	3109507000	CAPACITOR	1	370VAC 5/30μF	DWA-125R
	3109505300	CAPACITOR	1	370VAC 4/25μF	DWA-145R
45	3101200600	CLAMP CAPACITOR	1	SGCC T0.8	
46	3108009700	MOTOR SWING	1	ST-16E 220VAC 60HZ	
47	3100508510	BOX CONTROL	1	SGCC T0.8*410*331 ZERO/SP	
48	3106600510	SCROLL UPPER	1	EPS FR20-Y	
49	3103002800	HOLDER SCROLL	2	SGCC 1.0T	
50	3104404400	PIPE RUBBER BUTYL	1	T5X55X40	
51	3102708801	HARNESS COMP ASSY	1	UL-1015-16	
52	3110099A10	AS CAP DRAIN	1		
53	3102708510	HARNESS DISPLAY	1	UL 1007-22(15 PIN)	
54	3101404201	COVER ORIFICE	1	PP(H-540)	

## DWC-104R/DWC-125R/DWA-125R/DWA-145R EXPLODED DIAGRAM





**DAEWOO**

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